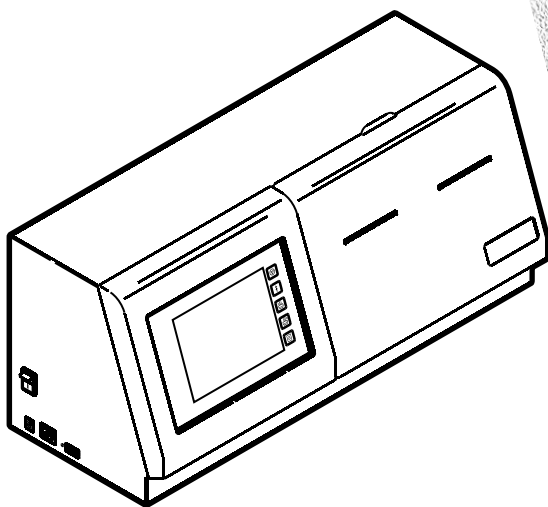


System Administrator's Guide



FRESHMARX™
9415™
Labeling
System



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WARNING

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CANADIAN D.O.C. WARNING

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

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INTRODUCTION

1

The FreshMarx™ 9415™ Labeling System prints labels for product freshness and inventory.

Information in this document supercedes information in previous versions. Check our Web site for the latest documentation and release information.

Using This Manual

Following is a summary of the contents of this manual:

	Chapter	Contents
1	Introduction	Information you should know before using the printer.
2	Changing Printer Settings	Assigning formats and setting time and date, backlighting, password, print position, etc.
3	Using the Edit Utility	Installing and using the Edit Utility to create and edit product menus, and updating the printer.
A	Label Formats	Format sizes and content fields.






Note: You may have a custom application that differs slightly from the examples in this manual. The screens shown are for reference only.

Audience

This manual is for the System Administrator who configures and updates the printer. For information on printing labels and printer care and maintenance, refer to the *Operator's Handbook* included with your printer.

About the Printer

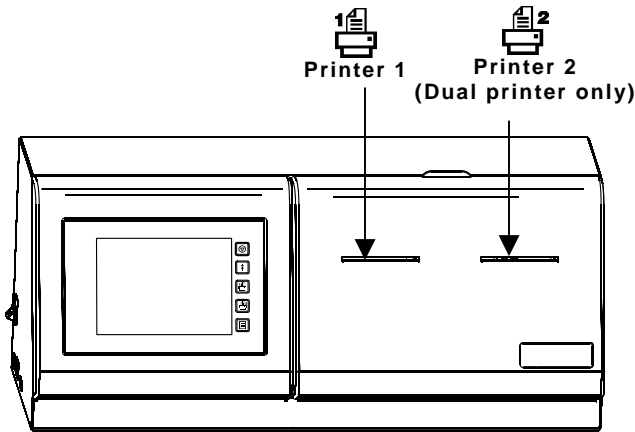
There are five control buttons located on the right side of the touch screen.

Button	Action
	Stops/cancels the current print job.
	Advances supply for the selected printer.
 or 	Selects which printer feeds the supply. Printer 1 is located on the left side. Printer 2 is located on the right side. Note: For the 9415™SP, these buttons do not function.
	Enters the printer configuration menu.

The rest of the touch screen contains product buttons that are color-coded so you can easily print the item labels.

The product buttons are blank until you create a product menu. The home keys have default captions that can be changed. See Chapter 3, “Using the Edit Utility,” for information on creating and editing product menus.

- ◆ Yellow
- ◆ Red
- ◆ Green
- ◆ Blue
- ◆ Orange



CHANGING PRINTER SETTINGS

2


This chapter tells you how to

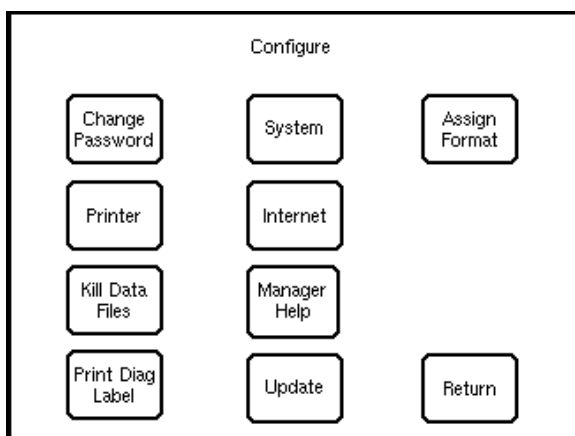
- ◆ configure the printer.
- ◆ assign formats (dual printer only).
- ◆ select formats (single printer only).
- ◆ set the time and date.
- ◆ adjust the touch screen display.
- ◆ change the Manager Password.
- ◆ adjust the distance to the tear bar.
- ◆ adjust the horizontal print position.
- ◆ adjust the vertical print position.

Configuring the Printer

Use the Configure screen to set the date and time, assign formats, adjust the touch screen settings, and update the printer. Instructions for configuring the printer are located under Manager Help.

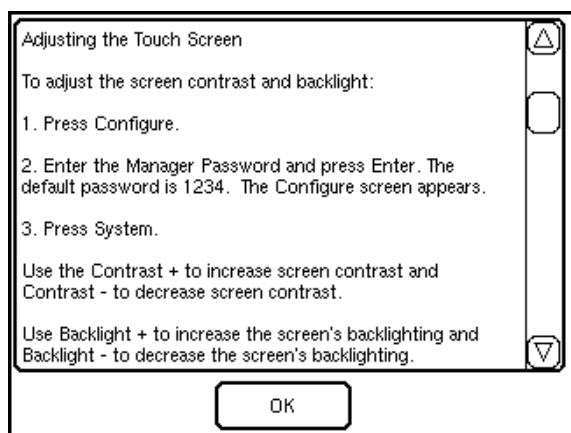
To access the Manager Help:

1. Press .
2. Enter the Manager Password and press **Enter**. The default password is **1234**. The Configure screen appears.



Note: This screen appears differently on the single printer version.

3. Press **Manager Help**.



Scroll through the text to the instructions you need.

Assigning a Format (Dual Printer Only)

These instructions apply to the dual printer version only. See "Selecting a Format" for single printer instructions.


Assign one of six preset label formats to each menu category, then assign those formats to a printer to print freshness labels. See Appendix A, "Label Formats," for the size and content of each format.

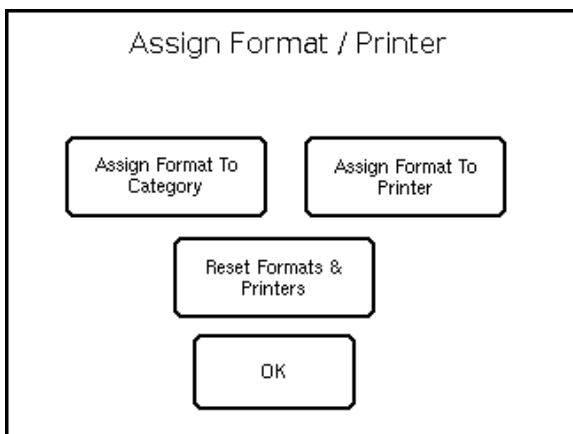
When you assign a format to a menu category, any labels you print in that category use the selected format. When you assign a format to Printer 1 or Printer 2, that format always prints on the assigned printer. The default assignments are Format 1, Printer 1 for all categories.

Note: If you select a format larger than the loaded labels, some information may not print.

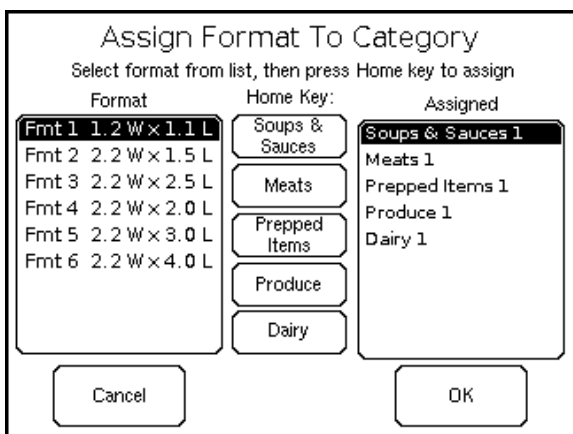
Assigning a format to a category

To assign a format to a menu category:

1. Press .
2. Enter the Manager Password and press **Enter**. The default password is **1234**. The Configure screen appears.
3. Press **Assign Format**.



4. Press **Assign Format To Category**.




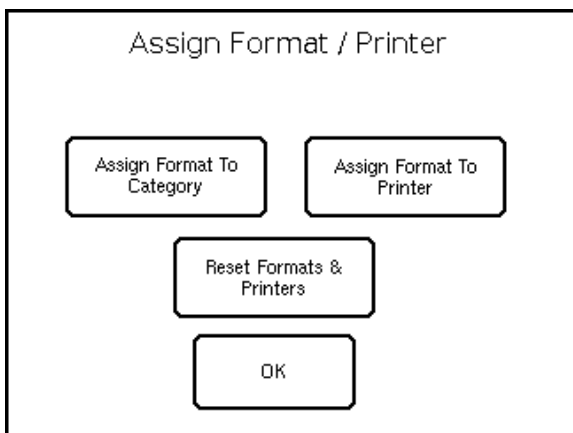
The currently selected format number appears across the top of the screen.

5. Select a format from the Format list, then press the category for that format in the Home Key list. Repeat for each format or category you need. The assignments appear in the Assigned list.
6. When you are finished, press **OK**.
7. Assign the format to a printer. See “Assigning a format to a printer” for more information.
8. When you are finished, press **Return** to return to the menu screen. Your assigned format and printer appears in the status bar.

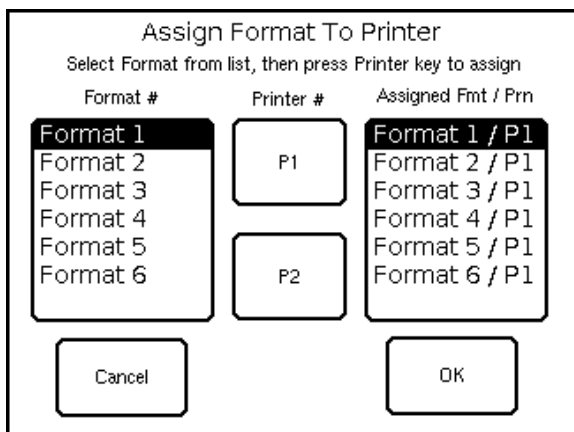
Assigning a format to a printer

Assign the formats you need to a category before assigning them to a printer. See “Assigning a format to a category” for more information.

1. Press .
2. Enter the Manager Password and press **Enter**.
The default password is **1234**. The Configure screen appears.
3. Press **Assign Format**.




4. Press **Assign Format To Printer**.

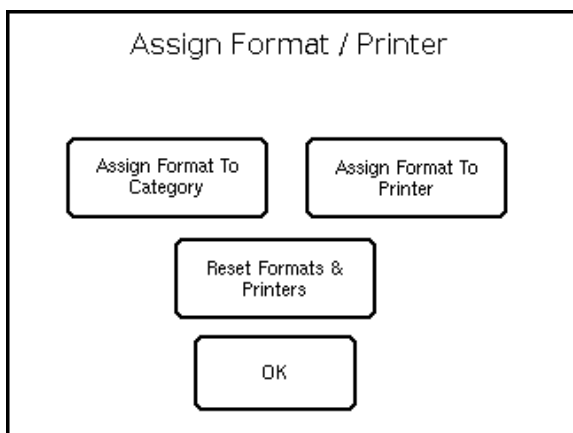


5. Select a format from the Format# list, then press **P1** (Printer 1) or **P2** (Printer 2) from the Printer# list. Repeat for each format you need. The assignments appear in the Assigned Fmt/Prn list.
6. When you are finished, press **OK**, then press **Return** to return to the menu screen. Your assigned format and printer appears in the status bar.

Resetting the formats and printers

You can reset all the format/printer assignments to the default setting (Format 1, Printer 1 for all categories).

1. Press .
2. Enter the Manager Password and press **Enter**. The default password is **1234**. The Configure screen appears.
3. Press **Assign Format**.




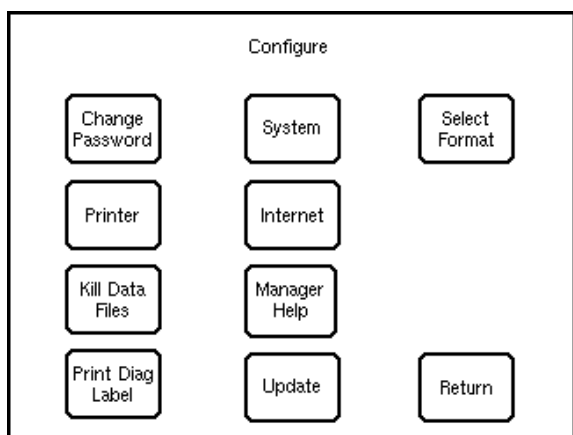
4. Press **Reset Formats & Printers**.
5. Press **OK**.

Selecting a Format (Single Printer Only)

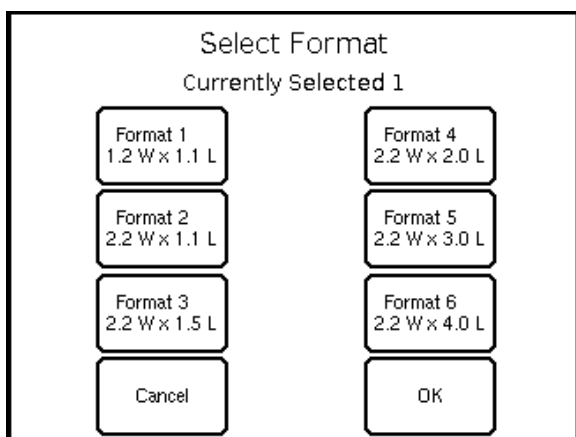
These instructions apply to the single printer version only. See “Assigning a Format” for dual printer instructions.

Choose from six preset label formats for your freshness label. See Appendix A, “Label Formats” for the size and content of each format.

1. Press .
2. Enter the Manager Password and press **Enter**. The default password is **1234**. The Configure screen appears.



3. Press **Select Format**.



4. Press the button of the format you need.
The currently selected format number appears across the top of the screen.

Note: If you select a format larger than the loaded labels, some information may not print.


5. Press **OK**.

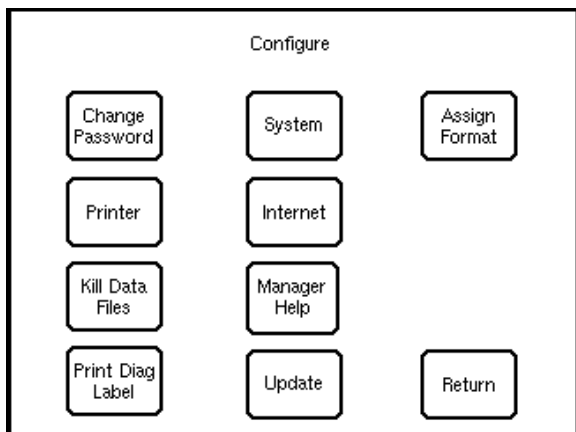
6. Press **Return** to return to the product menu.

The label format number appears on the status bar at the top of the product menu screen.

Setting the Time and Date

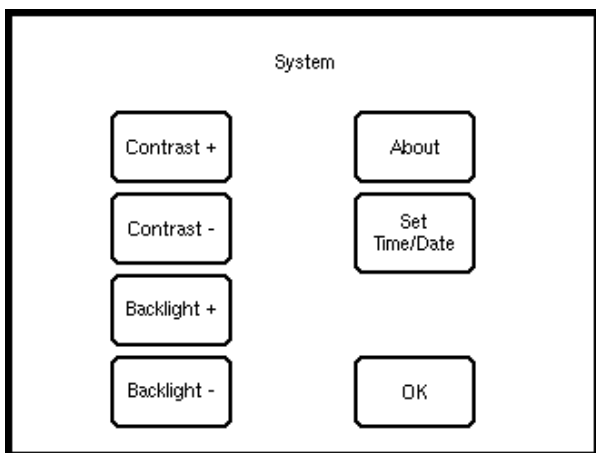
You may have a custom application that differs slightly from the examples in this section. The screens shown are for reference only.

1. Press .
2. Enter the Manager Password and press **Enter**. The default password is **1234**. The Configure screen appears.



Note: This screen appears differently in the single printer version.

3. Press **System**.



4. Press **Set Time/Date**.

Set Date / Time

mm/dd/yy 1:54:00 pm 12 Hour
06/06/08

Month Day Year

Day of Week Hour Minute

Set Cancel

Set the date format using the drop-down menu in the mm/dd/yy field.


Select a 12-hour or 24-hour time format. The default is 12-hour. Press the button to change the time format to 24-hour.

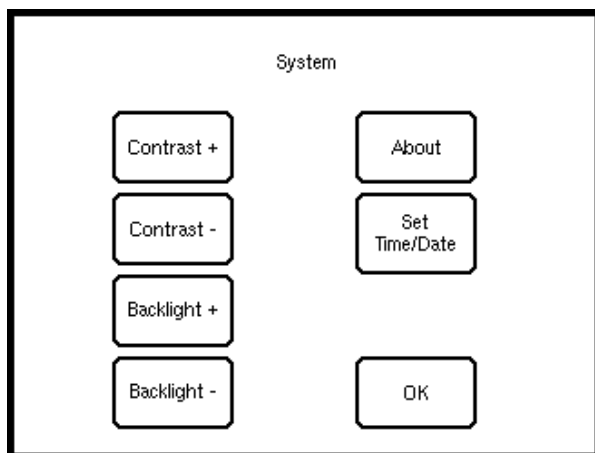
Use the left and right arrows to set the month, day, year, day of the week, hour, and minute fields.

5. Press **Set**. You return to the System screen.
6. Press **OK**.
7. Press **Return** to return to the product screen.

Adjusting the Touch Screen

To adjust the screen contrast and backlight:

1. Press .
2. Enter the Manager Password and press **Enter**. The default password is **1234**. The Configure screen appears.
3. Press **System**.




Use the buttons as follows:

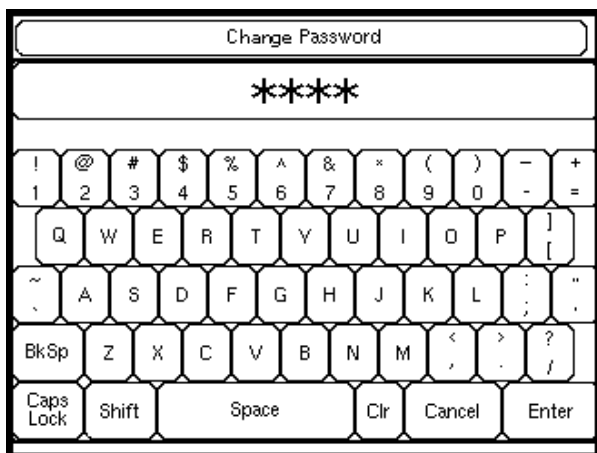
Button	Function
Contrast +	Increases screen contrast.
Contrast -	Decreases screen contrast.
Backlight +	Makes the screen brighter.
Backlight -	Makes the screen darker.

4. When you are finished, press **OK**.
5. Press **Return** to return to the product screen.

Changing the Password

A password is required to make any changes to the printer settings or product screens. To change the Manager Password:

1. Press .
2. Enter the Manager Password and press **Enter**. The default password is **1234**. The Configure screen appears.
3. Press **Change Password**.




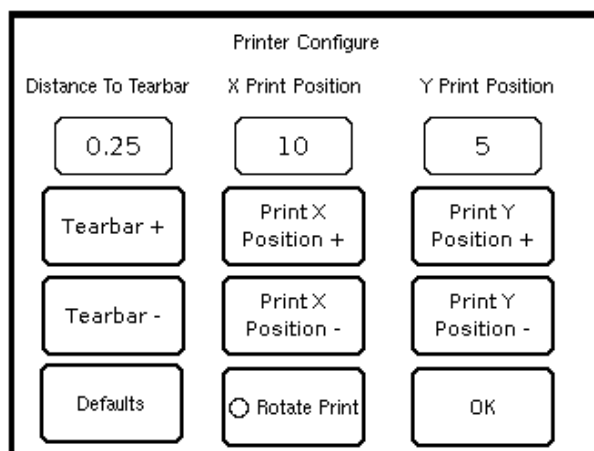
4. Enter the new password.
5. Press **Enter**.
6. Press **Return** to return to the product screen.

Note: If you forget the Manager Password, enter password 5675. The configure screen appears. Follow the instructions in this section to reset the password.

Adjusting the Distance to Tear Bar

You can set the distance the labels feed past the tear bar to remove the labels. The adjustments are in 0.01-inch increments and the default is 0.25.

1. Press .
2. Enter the Manager Password and press **Enter**. The default password is **1234**. The Configure screen appears.
3. Press **Printer**.



The image shows a 'Printer Configure' screen with three columns of settings. The first column is 'Distance To Tearbar' with a value of 0.25 and buttons for 'Tearbar +', 'Tearbar -', and 'Defaults'. The second column is 'X Print Position' with a value of 10 and buttons for 'Print X Position +', 'Print X Position -', and a radio button for 'Rotate Print'. The third column is 'Y Print Position' with a value of 5 and buttons for 'Print Y Position +', 'Print Y Position -', and 'OK'.

Distance To Tearbar	X Print Position	Y Print Position
0.25	10	5
Tearbar +	Print X Position +	Print Y Position +
Tearbar -	Print X Position -	Print Y Position -
Defaults	<input type="radio"/> Rotate Print	OK


Use the buttons as follows:

Button	Function
Tear bar+	Feeds labels further past the tear bar.
Tear bar–	Feeds labels closer to the tear bar.
Defaults	Returns to default settings.

4. When you are finished, press **OK**.
5. Press **Return** to return to the product screen.

Adjusting the Print Position

You can adjust the horizontal (X) and vertical (Y) position of the text on a label. The adjustments are in dots (0.0049 inch) and the defaults are +10 for horizontal and +5 for vertical.

1. Press .
2. Enter the Manager Password and press **Enter**. The default password is **1234**. The Configure screen appears.
3. Press **Printer**.

Printer Configure

Distance To Tearbar

X Print Position

Y Print Position

0.25

10

5

Tearbar +

Print X Position +

Print Y Position +

Tearbar -

Print X Position -

Print Y Position -

Defaults

☐ Rotate Print

OK

Use the buttons as follows:

Button	Function
Print X Position+	Moves printed text right.
Print X Position-	Moves printed text left.
Print Y Position+	Moves printed text up.
Print Y Position-	Moves printed text down.
Rotate print	Toggles printed text upside down or right side up. Default is right side up.
Defaults	Returns to default settings.

4. When you are finished, press **OK**.
5. Press **Return** to return to the product screen.

USING THE EDIT UTILITY

3

This chapter tells you how to

- ◆ install the Edit Utility.
- ◆ create and edit the product data file.
- ◆ configure the network settings.
- ◆ upload printer data files to your computer.
- ◆ update the printer.
- ◆ delete and reload data files.

Installing the Edit Utility

Install the Edit Utility on a computer with the Microsoft® Windows® XP operating system.

1. Download the Edit Utility from our Web site to your computer.
2. Open the downloaded file and follow the on-screen instructions to complete the installation.
3. Start the Edit Utility. The Main screen appears.
A status bar is located across the bottom.



4. Decide what you want to do next:
 - ◆ To create a product data file or edit an existing one, see “Creating and editing the Data File” for more information.
 - ◆ To upload a product data file from the printer to your computer for editing or backup, see “Uploading the Data File” for more information.
 - ◆ To update the printer’s product data file, see “Updating with USB” or “Updating with Ethernet” for more information.
 - ◆ To update the printer’s application, see “Updating with USB” or “Updating with Ethernet” for more information.

Creating and Editing the Data File

You can create new product screens or make changes to existing product screens with the Edit Utility. See “Uploading the Data File” to upload the existing data file for editing.

Editing home keys

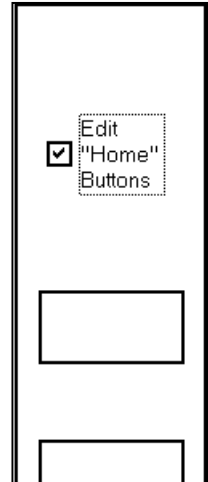
The home keys have default category captions that you can use or change as needed.

To edit home keys:

1. Check **Edit “Home” Buttons** on the right. This disables the home keys so you cannot change categories.
2. Click a home key to edit.
3. Enter a new caption and click **OK**.

Note: The ampersand (&) shows as an underscore (_) in the Edit Utility, but displays correctly on the printer.

4. Uncheck **Edit “Home” Buttons** to re-enable the home keys to select categories.
5. Click **File**, then **Save** to save changes. The data file must be saved as a Unicode text file (.dat) to be loaded into the printer.

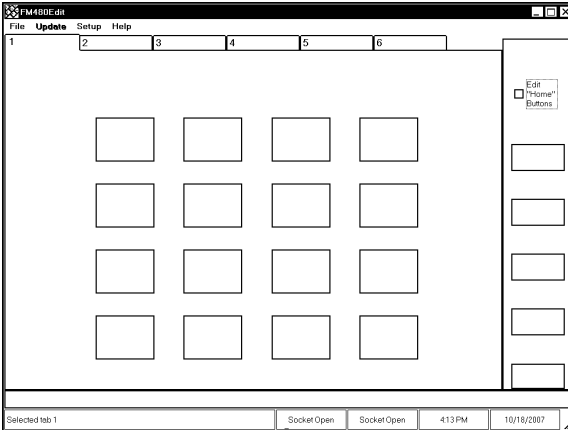


The image shows a vertical window titled "Edit Utility". Inside, there is a checkbox labeled "Edit 'Home' Buttons" which is checked. Below this checkbox are two empty rectangular input fields, one above the other, for entering new captions.

Creating and editing product buttons

1. Click **File**, then **New** to create a new data (.dat) file from a blank template, or click **File**, then **Open...** to edit an existing data file.

You see a blank template or your data file.



2. Click a blank button to add a new product, or click an existing product button to edit. The Edit screen appears.

The screenshot shows the "Edit" dialog box. The title bar reads "Edit". The dialog has a "Button Data" section with a "Button Caption" text field and an "OK" button. Below this is a "Label Data" section. It contains a list of labels: "Description 1", "Description 2", "Description 3", "Shelf Life", "Net Weight", "Price", and "Store Name", each with a corresponding text field. To the right of these fields is a large rectangular area labeled "Ingredients". At the bottom left, there is an "Expiration Time" section with a "Must Use By" label and three spin boxes for "Days", "Hours", and "Minutes", each set to "0". On the right side of the dialog, there are "Delete Item" and "Cancel" buttons.

3. Enter a button caption, description, and expiration time.

The information you include in the item description field depends on your label format. See Appendix A, “Label Formats” for information on each format’s content and maximum number of characters printed.

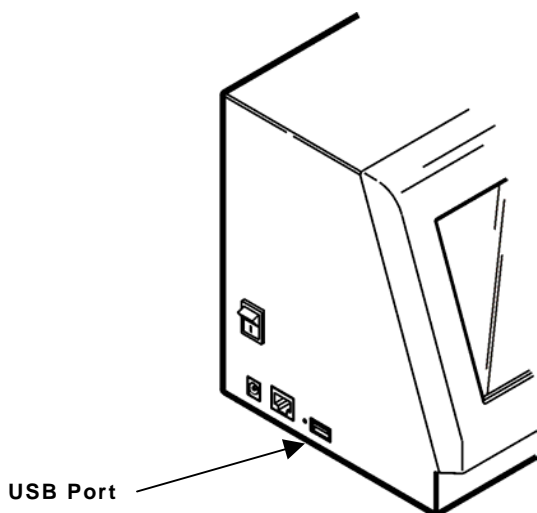
4. Click the home keys on the right to edit product buttons in other categories.
5. Click **OK** when finished.
6. Click **File**, then **Save** to save changes. The data file must be saved as a Unicode text file (.dat) to be loaded into a printer.


Once you have made changes to the product data file, save it on a USB thumb drive to update multiple printers. See “Updating with USB” for more information.

Updating with USB

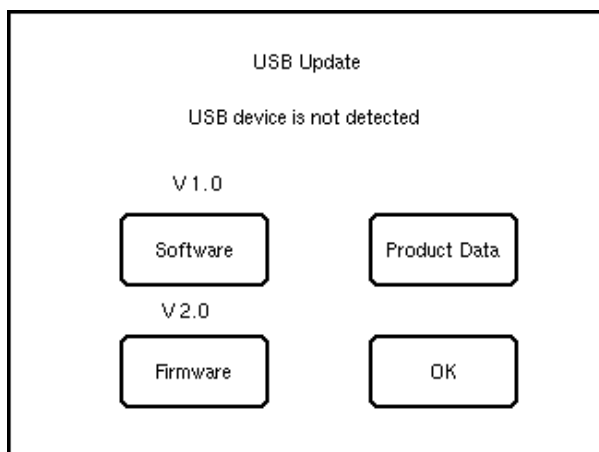
Use a jump drive no greater than 1 GIG capacity and formatted to FAT or FAT32.

1. Save the latest application and data file on a thumb drive. Application updates are available for download on our Web site.
2. Plug the thumb drive into the USB port on the side of the printer. The printer detects the thumb drive automatically.

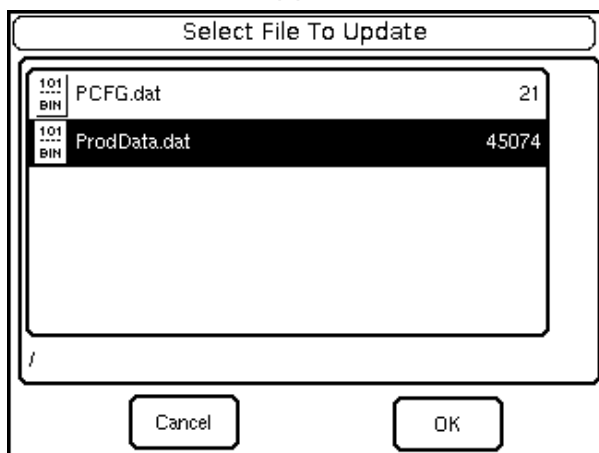


3. Press .
4. Enter the Manager Password and press **Enter**. The default password is **1234**. The Configure screen appears.

5. Press **Update**.



6. Press **Product Data** to update the data files.
The file browser appears.



7. Select the data file and press **OK**. This may take several minutes. The USB Update screen indicates when the update is complete. Press **OK**. The printer does not restart.

8. Press **Software** to update the application file.
The file browser appears. Select the application file and press **OK**. This may take several minutes.
When the update is complete, the printer restarts.

Note: For firmware updates, contact Service at the number listed on the back of this manual.


9. Remove the thumb drive.

Killing Data Files

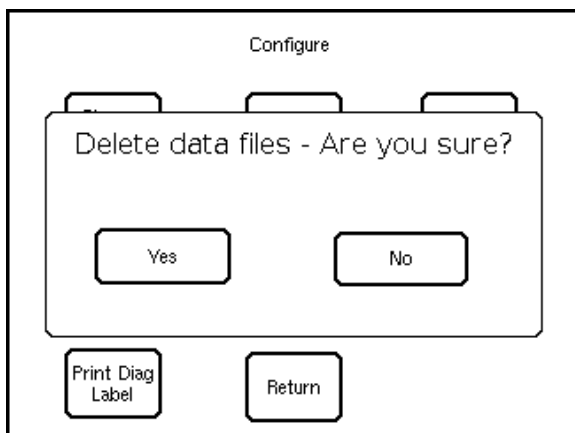
The **Kill Data Files** option in the Configure menu deletes all data files from the printer. Data files include the product button information, password, and printer configuration settings.

It may be necessary to delete data files when there are errors in the current data files.

Note: Before deleting the printer's data files, you may want to upload the **ProdData.dat** file to your computer to save the product button information. See "Uploading Data Files" for more information.

1. Press .
2. Enter the Manager Password and press **Enter**.
The default password is **1234**. The Configure screen appears.

3. Press **Kill Data Files**.



4. Press **Yes**.


The printer deletes all data files and loads the default data files. The printer does not restart.

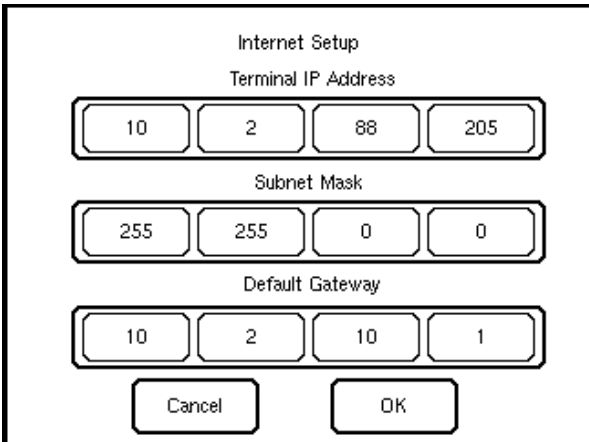
Note: All data files are deleted when you press **Kill Data Files** and they cannot be recovered. You cannot select a specific file to delete.

Configuring the Network Settings

The Edit Utility's IP address must match the IP address of the printer to upload the data file from the printer to your computer, or to download a new data file to the printer.

On the printer:

1. Connect the printer to your computer's Internet port through a network hub.
2. Press .
3. Enter the Manager Password and press **Enter**. The default password is **1234**. The Configure screen appears.
4. Press **Internet**.



Internet Setup

Terminal IP Address

10	2	88	205
----	---	----	-----

Subnet Mask

255	255	0	0
-----	-----	---	---

Default Gateway

10	2	10	1
----	---	----	---

Cancel OK

5. Press the first numeric field and enter the first value for a valid **Terminal (printer) IP address**.
6. Press **Enter**. You return to the Internet Setup screen.

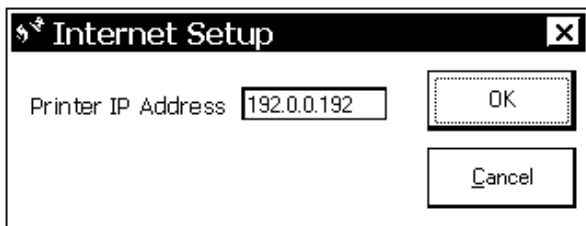
The image shows a numeric keypad interface. At the top is a rectangular display field containing the digit '0'. Below the display is a grid of buttons. The first row contains buttons for digits 7, 8, and 9, followed by a 'Back' button. The second row contains buttons for digits 4, 5, and 6. The third row contains buttons for digits 1, 2, and 3. The bottom row contains three buttons: '0', 'Enter', and 'Cancel'. The entire keypad is enclosed in a rectangular frame with a thick border.

7. Press the next field for the IP address, enter the value, and press **Enter**.
8. Continue entering field values until all fields are completed for IP address, Subnet Mask, and your network's Default Gateway.
9. Press **OK** to save the settings.

The printer restarts with the new network settings.

On your computer:

1. Connect the printer to your computer using a network cable.
2. Turn on the printer.
3. Start the Edit Utility.
4. Click **Setup**, then **Internet**.

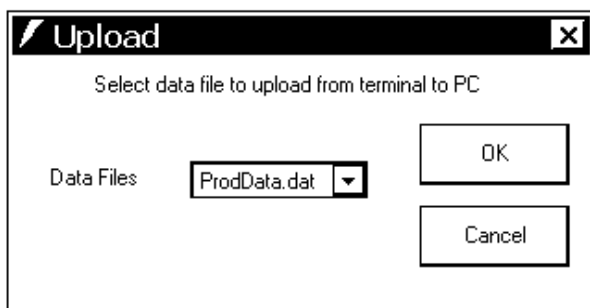


5. Enter the IP address of the printer in the IP address field.
6. Click **OK**.

Uploading the Data File

You can upload the data file from the printer to your computer to make changes using the Edit Utility and save it on a thumb drive to update other printers. See “Creating and Editing the Data File” and “Updating with USB” for more information.

1. Connect the printer to your computer using a network cable.
2. Turn on the printer.
3. Start the Edit Utility.
4. Click **Update**, then **Upload**.



The **ProdData.dat** file appears in the drop down menu.

5. Click **OK**.
6. Select a location to save the file.
7. Click **Open** to save the file on your computer.

Note: The data file must be saved as a Unicode text file (.dat) to be loaded into a printer.

See “Creating and Editing the Data File” for information on making changes with the Edit Utility.

Updating with Ethernet

You can also download files directly to the printer from your computer.

Updating the data file

1. Start the Edit Utility.
2. Click **Update, DataFile**. The File Open dialog box appears.
3. Open the updated product data (.dat) file.
The printer enters download mode and “Updating Data Please Wait...” appears on the printer’s touch screen.
The printer automatically renames the data file to **ProdData** if necessary.

When the update is complete, you see “Update Complete” in the status bar of the Edit Utility.

This may take several minutes.

Note: The printer does not restart after updating the data file.

Updating the application

1. Download the latest application from our Web site on your computer.

Note: Save the file to your computer's hard drive, not a network drive.

2. Connect the printer to your computer using a network cable.
3. Turn on the printer.
4. Start the Edit Utility.
5. Click **Update, Software**.
6. Open the **freshmarxVxx.bff** ("xx" indicates the version number) file you downloaded from the Web site.

The printer enters download mode. This may take several minutes. When the update is complete, you see "Update Complete" in the status bar of the Edit Utility. The printer restarts automatically and loads the latest application.

LABEL FORMATS



Format 1

Prints 1.2” wide x 1.1” long labels.

Item description line 1
Item description line 2
Item description line 3

PREP:EMPL

MM/DD/YYHH:MM:PM
MUST USE BY:
HH:MM:PM
MM/DD/YY

Enter the following information for each field:

Field	Description
Description 1	Prints up to 17 characters.
Description 2	Prints up to 17 characters.
Description 3	Prints up to 17 characters.
EMPL	Employee ID must be 2-10 characters.
Must Use By	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

Format 2

Prints 2.2" wide x 1.1" long labels.

Item description 1	
Item description 2	
PREP:	
MM/DD/YY	HH:MM PM
MUST USE BY:	
HH:MM PM	
MM/DD/YY	EMPL

Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 35 characters.
<i>Description 2</i>	Prints up to 35 characters.
<i>EMPL</i>	Employee ID must be 2-10 characters.
<i>Must Use By</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

Format 3

Prints 2.2" wide x 1.5" long labels.

ITEM 1 (PRODUCTO) ITEM DESCRIPTION 1	
ITEM 2 (PRODUCTO) ITEM DESCRIPTION 2	
PREP DATE (FEQUA) MM/DD/YY	PREP TIME (HORA) HH:MM PM
EXPIRE DATE (EXPIRAR FEQUA) MM/DD/YY	EXPIRE TIME (EXPIRAR HORA) HH:MM PM
	EMPL

Enter the following information for each field:

Field	Description
<i>Description 1</i>	Prints up to 25 characters.
<i>Description 2</i>	Prints up to 25 characters.
<i>EMPL</i>	Employee ID must be 2-10 characters.
<i>Expire Date/Time</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

Format 4

Prints 2.2” wide x 2.0” long labels.

Color-Coded Block

ITEM DESCRIPTION 1
ITEM DESCRIPTION 2
PREP DATE MM/DD/YY
PREP TIME HH:MM PM
USE BY DATE MM/DD/YY
USE BY TIME HH:MM PM
EMP EMPL

Day-of-week (English) Day-of-week (Spanish)

Note: A box prints around the color-coded block that corresponds to the day-of-week expiration date.

Enter the following information for each field:

Field	Description
Description 1	Prints up to 15 characters.
Description 2	Prints up to 15 characters
EMPL	Employee ID must be 2-10 characters.
Use By	Numbers only. Days 0-365, hours 0-23, minutes 0-59.
Blue	Use by Monday.
Yellow	Use by Tuesday.
Red	Use by Wednesday.
Brown	Use by Thursday.
Green	Use by Friday.
Gold	Use by Saturday.
Black	Use by Sunday.

Format 5

Prints 2.2” wide by 3.0” long labels.

DAY-OF-WEEK (English)
DAY-OF-WEEK (Spanish)

ITEM: ITEM DESCRIPTION

SHELF LIFE: SHELF LIFE

PREP:
MM/DD/YYHH:MM PM

USE BY:
MM/DD/YYHH:MM PM

EMPLOYEE: EMPL

Enter the following information for each field:

Field	Description
<i>Description</i>	Prints up to 16 characters.
<i>Shelf Life</i>	Prints up to 13 characters.
<i>EMPL</i>	Employee ID must be 2-10 characters.
<i>Use By</i>	Numbers only. Days 0-365, hours 0-23, minutes 0-59.

Format 6

Prints 2.2" wide x 4.0" long labels.

<p style="text-align: center;">Store Name</p> <p>ITEM DESCRIPTION 1 ITEM DESCRIPTION 2 ITEM DESCRIPTION 3 INGREDIENTS: INGREDIENTS VARIABLE DATA...</p> <p style="text-align: center;">Use By: MM/DD/YY Net Weight netwgt Price price</p>

Enter the following information for each field:

Field	Description
<i>Store Name</i>	Prints up to 17 characters.
<i>Description 1</i>	Prints up to 23 characters.
<i>Description 2</i>	Prints up to 23 characters.
<i>Description 3</i>	Prints up to 23 characters.
<i>Ingredients</i>	Prints up to 656 characters. Note: Does not print semicolons or returns.
<i>Use By</i>	Prints the date in MM/DD/YY format.
<i>Net Weight</i>	Prints up to 8 characters.
<i>Price</i>	Prints up to 7 characters: numbers 0-9, period and dollar, cents, Euro, pound, and yen signs only.

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1-877-774-6829 (In the U.S.A.)